

~~S-E-C-R-E-T~~Service Contract
Work Order Requests

ILLEGIB

Date: 20 November 1958

TO : Chief, Research and Development Branch, OC-E
 FROM: Chief, ELINT Activities Branch, OC-SP

1. Description of work requested

Refer Attachment A

2. List drawings, sketches, or samples accompanying requests:

25X1

Sample antenna, case, amplifier, crystal and crystal detector will be supplied.

Requested by

Contractor's Price estimate 3300.25Contractor's Delivery estimate 45 days after receipt of order.

Estimate accepted by

Work Order No. 3 issued

25X1

Contractor

It is suggested be used for the above measurements.
 For further information please contact

25X1
25X1~~S-E-C-R-E-T~~Addressee: 1 copy only

REV	3	REV DATE	10/4/80	BY	37169
COMP	33	ORI	56	TYPE	2
CLASS	5	PAGES	2	REV CLASS	C
COST	22	NEXT REV	2010	AUTH	HR 10-2

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ATTACHMENT A

(Description of work requested)

a. Measurement of the characteristics of a reflex slot antenna.

The antenna is to be mounted on the case supplied, and is to be tested as a receiving antenna using a IN415E crystal diode. The amplifier for use in making the measurements is to be supplied in order to approximate the operating conditions under which the antenna is to be used.

b. The results desired are as follows:

1. Gain over an isotropic radiator over the frequency range 100 mcs. to 10,000 mcs. with antenna perpendicular to ground plane
2. Radiation patterns, E. & H. planes at optimum frequencies as found in (1)
3. Gain vs frequency from 1000-10,000 mcs. with antenna at an angle of 135 degrees with ground plane
4. Radiation patterns at optimum frequencies with antenna in position of item (3)
5. Gain vs frequency from 1000-10,000 mcs. with antenna at an angle of 180 degrees with ground plane
6. Radiation patterns at optimum frequencies with antenna in position of item (5)

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~~CONFIDENTIAL~~~~S-E-C-R-E-T~~Service Contract
Work Order RequestsDate: 18 March 1959

TO: Chief, Research and Development Branch, OC-E

FROM: Chief, OC-SP

~~XXXXXXXXXX~~ EA Branch

1. Description of work requested (Complete antenna system:)

Case I
Case II
Case III
Case IV

Two each antenna rotators w/control-indicators

25X1

2. List drawings, sketches, or samples accompanying requests.

Attached proposal is accepted and contains additional details on complete system.

Requested by

Contractor's Price estimate \$24,397.03Contractor's Delivery estimate 55 days after receipt of order.

Estimate accepted by

Work Order No. 4 issued

Contractor

~~S-E-C-R-E-T~~Addressee: 1 copy only

COB	<u>4</u>	REV DATE	<u>10/4/80</u>	BY	<u>37169</u>
ORIG COMP	<u>83</u>	OP	<u>56</u>	TYPE	<u>2</u>
ORIG CLASS	<u>J</u>	PAGES	<u>1</u>	REV CLASS	<u>C</u>
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